

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

MINUTES OF THE 7th MEETING OF THE SENATE HELD ON 13th March, 2016.

The Seventh meeting of the Senate was held at the Committee Room of the Institute at 06:00 PM on 13th March 2016. Following members were present:

1. Prof. H.T. Thorat, Director	-	Chairman
2. Prof. T.C. Kandpal	-	Member
3. Prof. R.B. Deshmukh	-	Member
4. Col. Sukhpal Singh, Registrar	-	Secretary
5. Dr. A.K. Anupam, Asso. Dean (Acad.)	-	Special Invitee
6. Dr. I.M. Nagpure, Asso. Dean (P & D)	-	Special Invitee
7. Dr. M.S. Khatri, Asso. Dean (Exam.)	-	Special Invitee
8. Dr. Anirban Mukharjee, Asso. Dean (SW)	-	Special Invitee
9. Mr. Saumendra Sarangi, Asso. Dean (FW)	-	Special Invitee
10. Dr. Nitin Kumar, HoD (CS)	-	Special Invitee
11. Dr. P.K. Rakesh, HoD (ME)	-	Special Invitee
12. Mr. Prakash Dwivedi, HoD (EE)	-	Special Invitee
13. Mr. Santosh K. Bhagat, HoD (EC)	-	Special Invitee
14. Ms. Smita Kaloni, HoD (CE)	-	Special Invitee
15. Mr. Jagdeep Singh, AR (Academic)	-	Special Invitee

Prof. Rashmi Gaur could not attend the meeting due to prior commitments.

At the outset, the Chairman welcomed all the members and Special Invitees.

The Senate discussed the agenda and resolved as under:

S. 07.01 Confirmation of the Minutes of the Sixth meeting of the Senate.

Resolution: Minutes of the Sixth Meeting of the Senate were confirmed.

S. 07.02 Actions Taken Report.

Resolution: The Senate noted the Action Taken Report.

S. 07.03 Degree Requirement For Postgraduate Program.

Agenda: *Ordinances have not stipulated Degree Requirement for Post Graduate Programs leading to M. Tech. The Post Graduate Programs is proposed for two years. Institute being in nascent stage, is having limited number of teachers in any Department. Running M. Tech program, in specified specialization, may cause administrative difficulties due to shortage of faculties in that specialization at a particular time.*

To overcome this difficulty, it is proposed to offer M. Tech in following disciplines but specializations will be identified later on:-

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- a) Civil Engineering
- b) Computer Science Engineering
- c) Electronics Engineering
- d) Electrical Engineering
- e) Mechanical Engineering

Depending upon the availability of faculty, respective Department shall offer specializations based on the courses registered in a Post Graduate Specialization Electives. The curriculum shall consist of Department Core, Basic Sciences, Post Graduate Specialization Elective and Open Courses. Department Core will consist of the Dissertation Phase-I, Phase-II & Seminar in addition to Coursework. Post Graduate Specialization Electives shall consist of set of courses identified for respective specializations.

The structure shall be included in Ordinances as item number **4.1.2 Postgraduate Program**. The total credit requirement for M. Tech (2-Year program) is 70 credits. Total credits are distributed over two categories:-

- a) Postgraduate Core (PC)
- b) Postgraduate Elective (PE)

Postgraduate Core (PC) has following categories:

- i) Basic Sciences (BS) which includes Mathematics, Physics and Chemistry courses.
- ii) Department Core (DC) which includes courses of relevant discipline.
- iii) Project Phase-I (P1).
- iv) Project Phase-II (P2).
- v) Seminar(SM).

Postgraduate Elective (PE) courses will consist of two categories:

- i) Specialization Elective
- ii) Open Course

The credit requirements for Post Graduate Program will be as follows:

S. No	Category	Symbol	M. Tech (2-Year) (Credits)
1	PG Core	PC	45
1.1	Departmental Core	DC	10
1.2	Basic Sciences	BS	03
1.3	Project phase-I	P1	10
1.4	Project phase-II	P2	20
1.5	Seminar	SM	02
2	PG Elective	PE	25
2.1	Specialization Electives	SE	16
2.2	Open Courses	OC	09
3	TOTAL REQUIREMENT		70 (Minimum)

The Senate is requested to approve the proposal.

Resolution: The Senate deliberated on Course requirement of M. Tech. Program. It was observed that Credit requirement proposed is more than the trends in the other Institutes. It was felt that 70 Credits Program will put heavy Academic pressure on PG students. In view of expectation of 3-4 hours of self-study per Credit per week, it was resolved to withdraw the requirement of Basic Science Course and reduce one open course by increasing one

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increasing one course each in Departmental Core and Specialization Electives. It was further resolved to reduce the Credit of Project phase-I and Project phase-II by half. The revised Credit requirement shall therefore be as under:

S. No	Category	Symbol	M. Tech (2-Year) (Credits)
1	PG Core	PC	30
1.1	Departmental Core	DC	13
1.2	Project phase-I	P1	05
1.3	Project phase-II	P2	10
1.4	Seminar	SM	02
2	PG Elective	PE	25
2.1	Specialization Electives	SE	19
2.2	Open Courses	OC	06
TOTAL REQUIREMENT			55 (Minimum)

S. 07.04 Starting of Postgraduate Program.

Agenda:

The Government of India, Letter No.F.23-13-2009-TS.III, Dated 11th March, 2010 had stipulated starting of Postgraduate Program in NIT Uttarakhand from 6th year of existence. Accordingly Post Graduate Programs should have commenced in 2015. However due to shortage of faculty Institute could not start the Postgraduate Program. Now, additional sanction for 7 faculty positions is received and 11 more are expected in near future. Also in view of availability of Trainee Teachers, Institute is now in a position to start Postgraduate Program in all Engineering Departments as below:-

- Civil Engineering*
- Computer Science Engineering*
- Electronics Engineering*
- Electrical Engineering*
- Mechanical Engineering*

*It is proposed that the Postgraduate Program shall be started with the intake of 15 students only in view of lesser number of faculties in each Department. Specializations that can be offered shall be identified by Individual Department and Program Requirement shall be prepared as per the Senate decision on Item number **S. 07.03** above. The complete program requirement shall be developed in a Workshop for Curriculum Development and shall be placed before the Senate for approval. Senate is requested to approve the commencement of the following Postgraduate Programs:-*

- M. Tech in Civil Engineering*
- M. Tech in Computer Science Engineering*
- M. Tech in Electronics Engineering*
- M. Tech in Electrical Engineering*
- M. Tech in Mechanical Engineering*

The Senate is requested to approve the proposal.

Resolution: The Senate approved the starting of the Postgraduate Programs with intake of fifteen students each in all five Departments as below:

- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering

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- d) Electronics Engineering
- e) Mechanical Engineering

It was further resolved that each Department will offer 2 to 4 Specializations. Titles and Course requirements for each Specialization will be placed in the next Senate meeting for approval.

In view of immediate announcement of PG Programs to be offered, the Departments will suggest two Specializations each and approval for the same will be sought by circulation.

The meeting ended with vote of thanks to the Chair.



(Prof. H.T. Thorat)

Chairman



Col. Sukhpal Singh

Secretary



(Prof. T. C. Kandpal)

Member



(Prof. R. B. Deshmukh)

Member